FIG. 1(A)

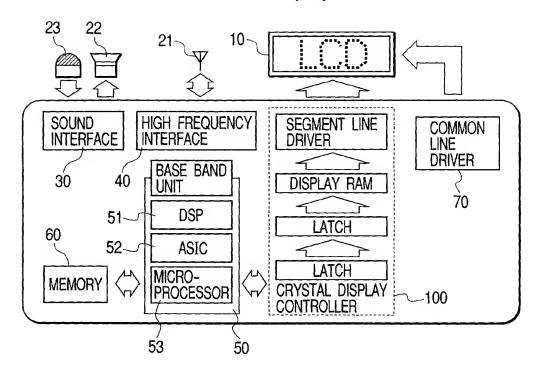
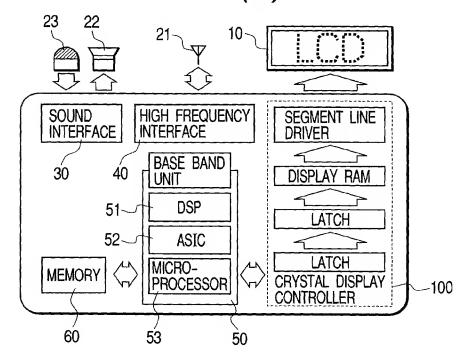
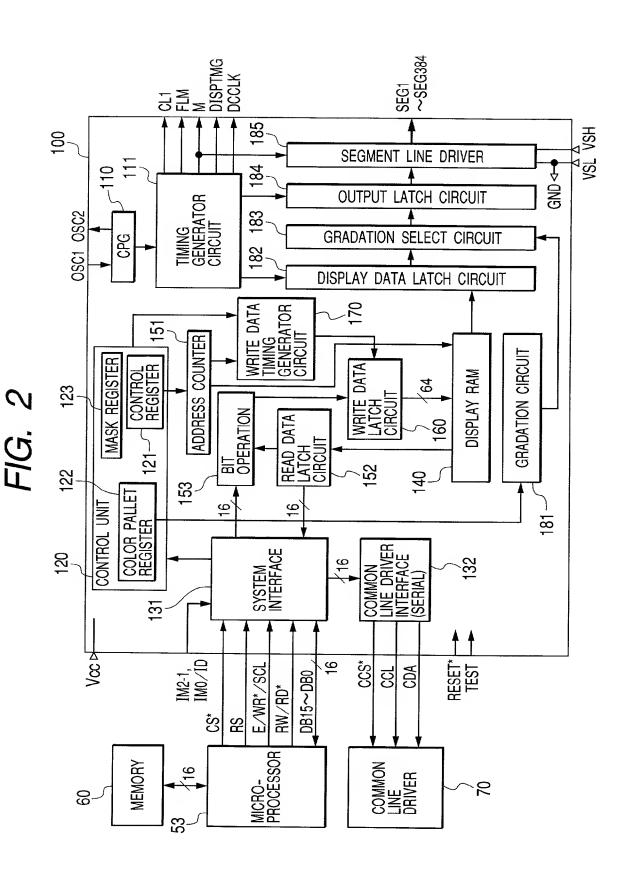


FIG. 1(B)



ţ



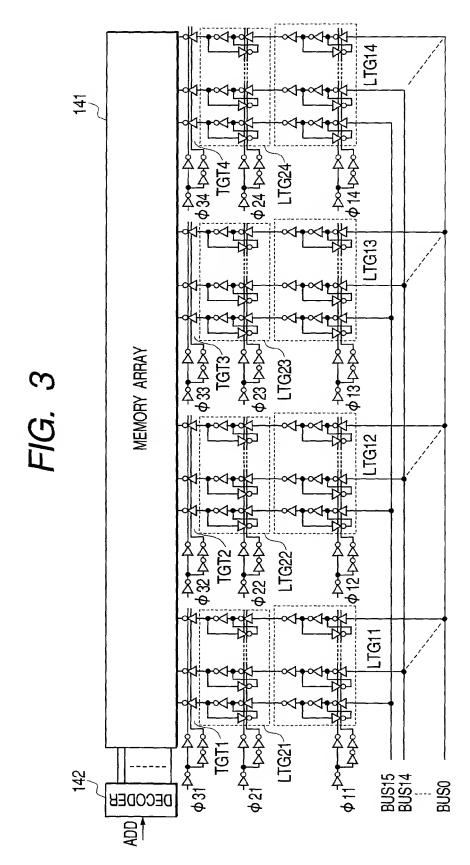
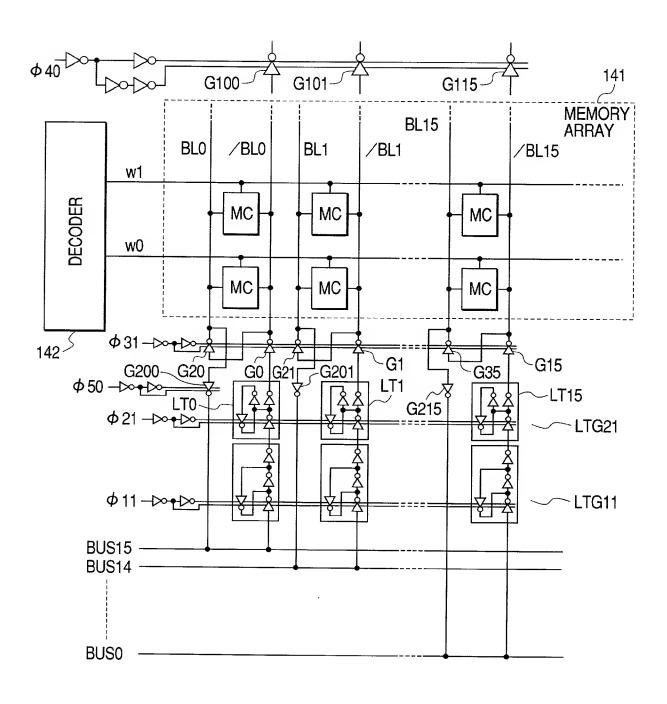
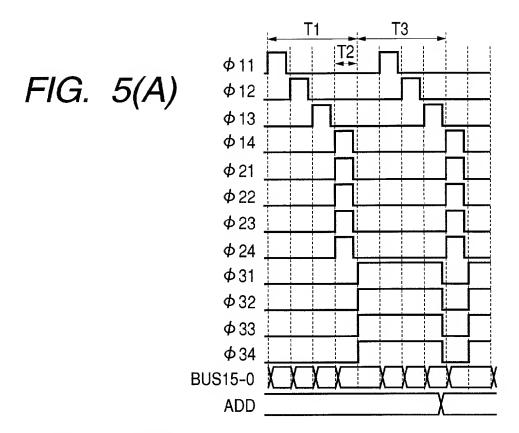
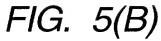


FIG. 4







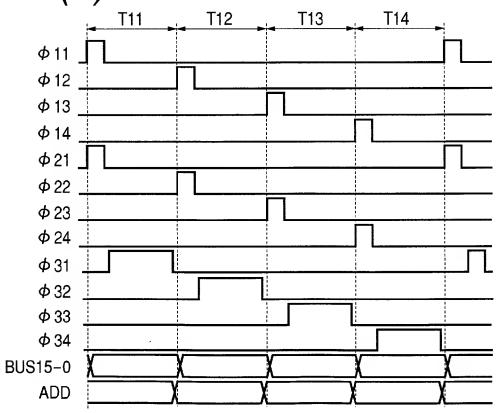


FIG. 6(A)

UNIT OF BURST WRITE

1 LINE	\$0000	\$0001	\$0002	\$0003	\$0004	\$0005	\$0006	\$0007	•••	\$003F
2 LINE	\$0100	\$0101	\$0102	\$0103	\$0104	\$0105	\$0106	\$0107	•••	\$013F
3 LINE	\$0200	\$0201	\$0202	\$0203	\$0204	\$0205	\$0206	\$0207	•••	\$023F
1 1 1										
128 LINE	\$7F00	\$7F01	\$7F02	\$7F03	\$7F04	\$7F05	\$7F06	\$7F07	•••	\$7F3F
1										
168 LINE	\$A700	\$A701	\$A702	\$A703	\$A704	\$A705	\$A706	\$A707	•••	\$A73F
! ! !										
256 LINE	\$FF00	\$FF01	\$FF02	\$FF03	\$FF04	\$FF05	\$FF06	\$FF07	•••	\$FF3F

FIG. 6(B)

	DUMMY	<i>-</i>	WRITE	DATA		DUI	MMY DA	TA		
1 LINE	\$0000	\$0001	\$0002	\$0003	\$6664	\$0005	\$0006	\$0007	•••	\$003F
2 LINE	\$0100	\$0101	\$0102	\$0103	\$0104	\$0105	\$0106	\$0107	• • •	\$013F
3 LINE	\$0200	\$0201	\$0202	\$0203	\$0204	\$0205	\$0206	\$0207	•••	\$023F
128 LINE	\$7F00	\$7F01	\$7F02	\$7F03	\$7F04	\$7F05	\$7F06	\$7F07	•••	\$7F3F
			****	******	****	4	4.1.60			V
168 LINE	\$A700	\$A701	\$A702	\$A703	\$A704	\$A705	\$A706	\$A707	•••	\$A73F
1 1										
256 LINE	\$FF00	\$FF01	\$FF02	\$FF03	\$FF04	\$FF05	\$FF06	\$FF07	•••	\$FF3F

i) REWRITE AREA: IN NEW 4 WORDS WRITING, A WRITE ADDRESS BEGINS FROM THE MULTIPLE OF 4.

	\$0007	\$0107	\$0207	
ŕ	\$000\$ \$000\$ \$000\$	\$0100 \$0101 \$0102 \$0103 \$0104 \$0105 \$0106 \$0107	\$ \$0203 \$0204 \$0205 \$0206 \$0207	
7 1 = 1	\$0005	\$0105	\$0205	
	\$0000 \$0001 \$0002 \$0003 \$0004	\$0104	\$0204	
	\$0003	\$0103	\$0203	
	\$0005	\$0102	\$0201 \$0202	
	\$0001	\$0101	\$0201	
	\$0000	\$0100	\$0200	

RAM		ONCE	
NUMBER OF TIMES FOR WRITING TO LATCHES:4 TIMES	(1) (2) (3) (4)		

FIG. 7(B)

II) REWRITE AREA: IN NEW 8 WORDS WRITING, A WRITE ADDRESS REGINS FROM THE MIII TIPLE OF A

		חבכווי		DECLINO INCINI INCINITE OF 4.	5 5 5 5	4 .	
\$0000	\$0001	\$0000 \$0001 \$0002 \$0003 \$0004 \$0005 \$0006 \$0007	\$0003	\$0004	\$0005	9000\$	\$0007
\$0100	\$0101	\$0100 \$0101 \$0102 \$0103 \$0104 \$0105 \$0106 \$0107	\$0103	\$0104	\$0105	\$0106	\$0107
\$0200	\$0201	\$0201 \$0202 \$0203 \$0204 \$0205 \$0206 \$0207	\$0203	\$0204	\$020\$	\$0206	\$0207

RAM		TWICE	
NUMBER OF TIMES FOR WRITING TO LATCHES:8 TIMES	(1) (2) (3) (4) (5) (6) (7) (8)		

7 / 12

FIG. 7(C)

iii) rewrite area : when it writes in a different line Every 4 words, each write address Begins from the multiple of 4.

\$0007	\$0107	\$0207
\$000\$ \$000\$	\$0105 \$0106	\$0203 \$0204 \$0205 \$0206
\$0005	\$0105	\$0205
\$0004	\$0104	\$0204
\$0003	\$0103	\$0203
\$0005	\$0102	\$0202
\$0000 \$0001 \$0002 \$0003 \$0004	\$0100 \$0101 \$0102 \$0103 \$0104	\$0201
0000\$	\$0100	\$0200

TIMES
TIMES FOR LATCHES:8
응은
NUMBER (

RAM

(4)	8	
(9)		
(2)	(9)	
$\widehat{\Xi}$	(2)	

TWICE	

FIG. 8(A)

i) REWRITE AREA: IN NEW 3 WORDS WRITING, A WRITE ADDRESS DOES NOT BEGIN FROM THE MULTIPLE OF 4.

I						
8	\$0001 \$0002 \$0003 \$0004	\$0003	\$0004	\$0002	9000\$	\$0007
110	\$0100 \$0101 \$0102 \$0103 \$0104	\$0103	\$0104	\$0105	\$0106	\$0107
\approx	\$0201 \$0202	\$0203	\$0204	\$0205	\$0206	\$0207

	ONCE	RAM
NUMBER OF TIMES FOR WRITING TO LATCHES:4 TIMES (1) (2) (3) (4)		유 무 무 문 (8)

FIG. 8(B)

ii) REWRITE AREA: IN NEW 4 WORDS WRITING, A WRITE ADDRESS DOES NOT BEGIN FROM THE MULTIPLE OF 4.

\$0000	\$0001	\$0001 \$0005	\$0003	\$0004	\$000\$	9000\$	1000\$
\$0100	\$0101	\$0101 \$0102 \$0103 \$0104	\$0103	\$0104	\$0105	\$0106	\$0107
\$0200	\$0201	\$0205	\$0203	\$0204	\$0205	\$0206	\$0207

FIG. 8(C)

NUMBER OF TIMES FOR WRITING TO LATCHES:8 TIMES

8/12

RAM

(8)	
(7)	
(9)	
(2)	
(4)	
(3)	
(2)	
Ξ	

TWICE

RA

6) (7) (8) HAM (15) (16) 4 TIMES

ပ္သ	늬	
TIME	(2)	
9	9	
ATCHES:	(2)	
ATC	(4)	
52	(3)	
TING	(2)	
WRIT	(1)	

20002 20006 20003	\$0107	\$0207	
<i>\$000\$</i>	\$0106	\$0206	
	\$0105	\$020\$	
\$0002 \$0003 \$0004	\$0101 \$0102 \$0103 \$0104 \$0105 \$0106	\$0204	
\$0003	\$0103	\$0200 \$0201 \$0202 \$0203 \$0204	
\$0002	\$0102	\$0202	
\$0001	\$0101	\$0201	
8000	\$0100	\$0200	

iii) rewrite area : when it writes in a different line Every 6 Words, each write addres Does not begin from the multiple

()	(15)	
(9)	(14)	
(2)	(13)	
(4)	(12)	
(3)	(11)	
(2)	(10)	
$\widehat{\Xi}$	6	
		07

FIG. 9(A)

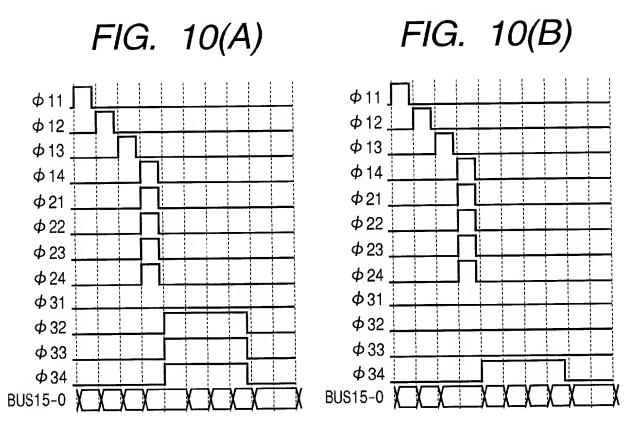
WRITE START	MASK AMOUNT	WRITE END	MASK AMOUNT
ADDRESS	FOR START SIDE	ADDRESS	FOR END SIDE
WSA	SMW	WEA	EMW

FIG. 9(B)

	0000	0001	0002	0003	0004	0005	0006	0007	8000	0009	000A	000B
CASE 1												
CASE 2	=											-
CASE 3	=	-									-	-
CASE 4	_		_							_	_	-
	– MA	SK PC	RTION									

FIG. 9(C)

	WSA	SMW	WEA	EMW
CASE 1	0000	00	000B	00
CASE 2	0001	01	000A	01
CASE 3	0010	10	0009	10
CASE 4	0011	11	0008	11



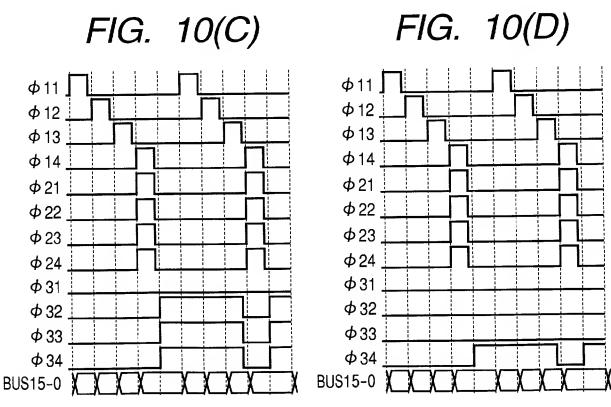


FIG. 11

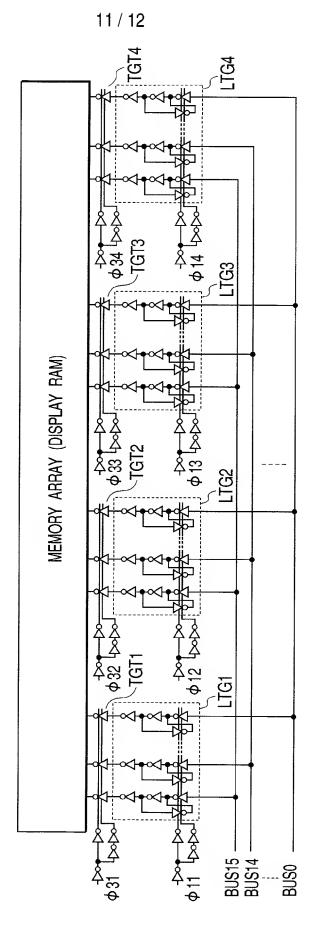


FIG. 12

